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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/574,650	04/04/2006	Makoto Takahashi	060244	7633
23859 7590 (97/2700)8 KRATZ, QUINTOS & HANSON, LLP 1420 K Street, N.W.			EXAMINER	
			WYSZOMIERSKI, GEORGE P	
Suite 400 WASHINGTON, DC 20005			ART UNIT	PAPER NUMBER
	71, 20 2000		1793	
			MAIL DATE	DELIVERY MODE
			02/12/2008	PAPER

Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

Application No. Applicant(s) 10/574.650 TAKAHASHI ET AL. Office Action Summary Examiner Art Unit George P. Wyszomierski 1793 -- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --Period for Reply A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS. WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION. Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication. If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication - Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b). Status Responsive to communication(s) filed on 2a) This action is FINAL. 2b) This action is non-final. 3) Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under Ex parte Quayle, 1935 C.D. 11, 453 O.G. 213. Disposition of Claims 4) Claim(s) 1-16 is/are pending in the application. 4a) Of the above claim(s) _____ is/are withdrawn from consideration. 5) Claim(s) _____ is/are allowed. 6) Claim(s) 1-16 is/are rejected. 7) Claim(s) _____ is/are objected to. 8) Claim(s) _____ are subject to restriction and/or election requirement. Application Papers 9) The specification is objected to by the Examiner. 10) The drawing(s) filed on is/are; a) accepted or b) objected to by the Examiner. Applicant may not request that any objection to the drawing(s) be held in abevance. See 37 CFR 1.85(a). Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d). 11) The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152. Priority under 35 U.S.C. § 119 12) Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f). a) All b) Some * c) None of: Certified copies of the priority documents have been received. 2. Certified copies of the priority documents have been received in Application No. 3. Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)). * See the attached detailed Office action for a list of the certified copies not received.

1) Notice of References Cited (PTO-892)

Paper No(s)/Mail Date 4/4/06

Notice of Draftsperson's Patent Drawing Review (PTO-948)
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Notice of Draftsperson's Patent Drawing Review (PTO-948)

Attachment(s)

Interview Summary (PTO-413)
Paper No(s)/Mail Date.

6) Other:

5) Notice of Informal Patent Application

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 The preliminary amendment filed with this application on April 4, 2006 has been entered. Claims 1-16 are pending.

- 2. Claim 2 is rejected under 35 U.S.C. 112, second paragraph, as being indefinite for failing to particularly point out and distinctly claim the subject matter which applicant regards as the invention. This claim contains an improper Markush group. In line 2 of this claim, the word "amono" should be changed to --the group consisting of--.
- The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:
 - (a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negatived by the manner in which the invention was made.
- Claims 1-16 are rejected under 35 U.S.C. 103(a) as being unpatentable over Iseda (P.G. Pub. No. 2003/0231976).

Iseda discloses steel compositions for tubes used in chemical processes, the compositions containing amounts of carbon, silicon, manganese, chromium, nickel, titanium, niobium, aluminum, nitrogen, rare earth metals such as cerium and/or lanthanum, and boron or zirconium, all in amounts overlapping the amounts as recited in the instant claims. The examiner's position is that the aged ductility and creep rupture strength of the prior art materials are "excellent", in the absence of any numerical or other objective definition of these parameters.

Iseda does not disclose any single specific composition that meets all of the limitations of the instant claims, and does not recite the "P" value as defined in instant claim 1. However,

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a) The overlap in composition between the prior art and the claimed invention renders the claimed compositions obvious, because Iseda discloses the utility of the prior art compositions over the entire disclosed ranges in the prior art.

b) With respect to the "P" value, this value involves nothing more than optimization of the percentages of the various alloying elements present. Where the general conditions of a claim are disclosed in the prior art, it is not inventive to discover the optimum or workable ranges by routine experimentation; see *In re Aller* (105 USPQ 233, CCPA 1955). Also, the normal desire of scientists or artisans to improve upon what is already generally known provides the motivation to determine where in a disclosed set of percentage ranges is the optimum combination of percentages; see *In re Hoeschele* (160 USPQ 809, CCPA 1969).

Thus, a prima facie case of obviousness is established between the disclosure of Iseda and the presently claimed invention.

 Any inquiry concerning this communication or earlier communications from the examiner should be directed to George Wyszomierski whose telephone number is (571) 272-1252. The examiner can normally be reached on Monday thru Friday from 8:00 a.m. to 4:30 p.m. Eastern time.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Roy King, can be reached on (571) 272-1244. All palent application related correspondence transmitted by facsimile must be directed to the <u>central facsimile number</u>, (571)-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (foll-free).

/George P Wyszomierski/ Primary Examiner Art Unit 1793